

area of the state is still in woods, most of it more or less cut over. About half the forest area is pine; the other half is hardwoods with an occasional mixture of pine and other soft woods. The total stand of timber has been estimated at forty billion board feet, half pine and half hardwoods, etc. The annual cut of lumber is approximately 1,500 million board feet, and 500 million feet into other products, not including firewood and waste which probably amount to some 1,500 million feet more; making a total of 3,500 million board feet. The annual growth is estimated at about 150 million board feet on pine lands and 75 million feet on hardwood lands, or about one fourteenth the rate at which the timber is being cut.

261. Enemies of the Forest: In addition to the usual destructive methods of cutting, the principal enemies of our forests are fire, live stock and insects. Forest fires burn over annually from 400,000 to 500,000 acres and cause an annual damage of over \$1,000,000. Unrestricted ranging of live stock causes the destruction of or injury to much young growth. Hogs prevent reproduction of longleaf pine, while cattle browse on the young hardwood species. The stock law which now is in effect over the greater part of the State should be extended to every part of it. (See Stock Law. Chapter 35, Revisal of 1905).

262. Organization of State Forestry Work—The Geological Survey: Most of the state forestry work is done by the State Geological and Geological and Economic Survey, organized in 1901 and reorganized in 1905. (See Chapter 94, Revisal of 1905). By law the Governor is authorized to appoint a suitable person as State Geologist to conduct, under the supervision of a Board of Managers known as the Geological Board, a Geological and Economic Survey of the State. (Section 4429). Colonel Hyde Pratt, Ph. D., is now the State Geologist and Director of the Survey. The Geological Board consists of the Governor, as chairman, and four citizens of the State appointed by the Governor by and with the advice and consent of the Senate (Section 4430). The Survey has for its objects, examination of various resources; such as the forests, with special reference to their bearing upon the occupation of the people; streams and water power, with reference to their development for manufacturing enterprises, development enterprises, the preservation of the sources of these streams through the protection of the forests; and consideration of other scientific and economic problems; together with the preparation of reports, illustrations and maps. (Section 4432. For further account see Chapter V).

262 A. The State Forests: The State Geologist appoints, subject to the approval of the Geological Board, such experts and assistants as are necessary (Section 4431). The present forester of the Survey, Mr. J. S. Holmes, appointed in 1909, is now known as State